

CEA-tr-A-111 Unc1.

METHODE TRES SENSIBLE POUR LA CARACTERISATION  
DU FLUOR. (Very Sensitive Method for Fluor  
Evaluation). K. Machner. Translated into  
French from Z. anal. Chem., 162: 6(1958).

4p. 9097±69

Instrumentation; Translations MC-47

C-11 NP NSA Dep.(mc); \$1.10(fs), \$0.50(mf)  
JCL

N-1

Comparative Experiments in the Extraction of  
Iron(III) Chloride with Organic Solvents, by  
E. Bankmann, H. Specker, 16 pp.  
GERMAN, per, Z. Anal Chem, Vol 162, 1958, pp 18-28.  
AEC/ORNL-Tr-1117

Sci/Chem  
Jul 70

Analysis of Very Pure D'thylene by Gas  
Chromatography, by G. Nodop, 6 pp.

GERMAN, per, Z Anal Chem, Vol CLXIV, No 1,  
1958, pp 120-127.

AT&T-204399

Feb 62

The Interference Effect in the Mass Spectrometer  
Ion Source, by Rolf Taubert, 27 pp.

GERMAN, per, Z. fuer Anal. Chem., Vol. CLXIV, 1958,  
pp 164-181. 9077349

ABC Tr-4562

Sci - Chem  
Jun 61

157, 73)

Ion-Exchange Membranes in Preparative and  
Analytical Chemistry, by E. Blasius, G. Lange,  
GERMAN, per, Zeit fur Anal Chem, Vol CLX, No 3,  
pp 169-188. 1978

O.S.I.R.O.

Sci - Chem

May 60

116 426

5

The Scrivograph, by F. KIK Paulik, J.  
Paulik, et al., 11 pp.

GERMAN, per, Z. fur Analytische Chemie,  
Vol 61, 1928, pp 211-252.

CSIRO

Sci - Chem  
Nov 61

174, 392

Determination of Silver in Ores, by Jan Michal,  
Eva Pavlikova, Jaroslav Zyma, 5 pp.

GERMAN, GER, J. Anal Chem, Vol CLX, No 1, 1958,  
pp 277-279.

SLA 59-1503<sup>b</sup>

Sci - Minerals/Metals  
Sep 59  
Vol II, No 2

98,664

The Extraction of Ferric Chloride With Methyl  
Isobutyl Nitrate and Amyl Acetate, by A. Claesson,  
L. Bastings. UNCL

GERMAN, per, z Anal Chem, no 6, 1958, pp 403-409.

British Iron and  
Steel Ind 1310  
(12)

Sci - Chem  
May 59

86,781

A New Method for the Determination of Uranium in  
Phosphates, Coal Ashes, Bauxites, by Ion Exchange,  
by J. Korkisch, A. Farag, F. Hecht. UMCL

GERMAN, per, Z Anal Chem, Vol CLXI, No 2, 1958,  
pp 92-100.

*... anal AlC/E-11*  
DSIR 34629/CT

Sci - Sm Chem  
Mar 59

*83,355*

Polarographic Determination of Impurities in  
Pure Indium, by F. A. Pohl, W. Ronsch, 14 pp.  
GERMAN, per, Z fuer Analytische Chemie, Vol CLXI,  
1958, pp 108-113.

CIA/FDD IX-898  
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Sep 60

USIB INTERNAL USE ONLY

125,843

Explanation of the Vaporization, Decomposition and  
Excitation Processes in Flames. The Influence of  
Aluminum, Silicic Acid and Phosphoric Acid on the  
Flame Photometric Determination of Alkaline Earths,  
by W. Schuhknecht, H. Schinkel, 14 pp.

GERMAN, per, Zeitschrift fuer Analytische Chemie,  
Vol CLXII, No 4, pp 266-279, 1958

SLA 59-17056

104,495

Sc:  
Jan 60  
Vol 2, No 7

The Separation of Cations on a Paper Chromatographic Basis, by E. Blasius,  
H. Gottling.  
Berlin, per, Z fuer Analytische Chemie,  
Vol CLXII, 1958, pp 423-429. 9231637  
AMC-DCR-TR-1245(L)

Ref. TT-65-18097

Sci - Phys  
Jan 66

294,275

The Determination of Copper by Flame Photometry,  
by H. Bode, H. Fabian.

GERMAN, per, Z. fuer Analytische Chemie,  
Vol CLXIII, 1958, pp 187-196.

CSIRO

Sci - Phys  
Aug 62

207, 353

Analysis of Very Pure D'thylene by Gas  
Chromatography, by G. Nodop, 6 pp.

GERMAN, per, Z Anal Chem, Vol CLXIV, No 1,  
1953, pp 120-127.

AT9-20M390

Feb 62

186, 286

About the Quantitative Interpretation of Fractograms of  
Distribution Chromatography Thermal Conductivity  
Method, by G. Rechenburg, 20 pp.

GERMAN, per, Z Analyt Chemie, Vol CLXIV, No 1, 1958,  
pp 147-158.

LA 59-10569

Sci - Chem  
Sep 59  
Vol 2 No 1

97,25<sup>-0</sup>

A Method for the Photometric Determination of  
Lanthanum, by H. Edele, H. Moenckhau, 8 p.

1956, pnr, Zeit Anal Chem, 1956, Vol CLXIV,  
pp 232-241.

MS-421316

Sci  
Jan 60  
Vol 2, No 8

105, 585

Infrared Spectroscopic Investigation of Inclusion Compounds of Urea and Thiourea, by R. Mecke,  
W. Kutschkewitz, 5 pp.  
GERMAN, per. Zeitschrift Für Analytische Chemie.  
Vol 170, No 1, 1959, pp 114-120.  
ACSI J-3163  
ID 2204035967

Sci-B and M  
Feb 68

249,178

The Analytical Features of Collected  
Purified Sulphur. Contribution XI to the  
Chemistry of Sulphur, 54, by F. Feher, et al.

GERMAN, per Z. fuer Analytische Chemie,  
Vol CLXXVIII, No 2, 1959, pp 88-9101.

CSIRO

Sci - Chem  
Jul 62

20/5/44

TT-68-13707

Field 7B

Jackwerth, E.; Specker, H.  
VOLUMETRIC DETERMINATION OF BIVALENT  
MERCURY IN THE PRESENCE OF CHLORIDE,  
BROMIDE AND HEAVY METALS (Massanalytische  
Bestimmung von Zweiwertigem Quecksilber in  
Gegenwart von Chlorid, Bromid und Schwermetallen).  
6p (foreign text included).  
Order from SLA: \$1.10 ea TT-68-13707

Trans. of Zeitschrift fuer Analytische Chemie.  
(West Germany) v167 n4 p269-71 1989.

MR 463

Obme, Friedrich.

RAPID DIELECTRIC DETERMINATION OF THE RESIDUAL WATER CONTENT OF INORGANIC FERTILIZER SALTS. [1962] 11p. 5 refs.

Order from SLA \$1.00

62-16178

Trans. of Zeitschrift für Analytische Chemie (West Germany) 1959, v. 167 [no. 4] p. 271-277.

DESCRIPTORS: Dielectric properties, \*Water, \*Fertilizers, Inorganic substances, Determination.

The possibility which has been used often to determine water contents on the base of the measurements of dielectric constants, is described as applied in the shape of a new immersion technique for the determination of the residual water in inorganic fertilizer salts. As the amount of water present (less than 5%) contributes greatly to the value of the dielectric constant, this (Chemistry--Analytical, TI, v. 9, no. 1) (over)

62-16178

I. Obme, P.

Office of Technical Services

Investigation into the Relationships Between Gas-Chromatographic Retention Ratios and Vapor Pressure Ratios. I. Aromatic Hydrocarbons, by D. Jentzsch, G. Bergmann, 14 pp.

GERMAN, per, Z Anal Chem, Vol CLXV, No 5, 1959,  
pp 401-415.

AT&T 263-QJ  
AT&T-951310

100,373

Sci - Chem  
Nov 59

Fractometric Analysis of Deuterium in a  
Current of Hydrogen, by O. Riedel, E.  
Uhlmann.  
GERMAN, per, Ztsr. für Analytische Chemie,  
Vol 166, pp 433-439, 1959 9229656  
AEC NP-TR-1271

Sci-Chem  
Nov 63

291,938

The Direct Determination of Oxygen in Organics,  
by W. Radmacher, A. Hoverath.

GERMAN, per, Z. fuer Analytische Chemie,  
Vol CLAVII, 1959, pp 336-342.

Broken Hill Prop Co Ltd  
(CRL/T.438)

Sci - Chem

191, 691

Apr 62

Determination of Small Quantities of Silicon in  
Water by Extraction of Silicomolybdate Blue  
With Chloroform and Photometry of the Chloroform  
Solution, by W. Schmenkhausen, 13 pp.  
GERMAN, per, Z fuer Analytische Chemie,  
Vol CLXVIII, 1959, pp 18-28. 9222107  
ACMIL Tr 1406

Sci - Chem  
Jun 64

260,271

Maurice, M. J. and Wiggers, B. G.  
THE COMPARISON OF THE ACCURACY OF TWO  
ANALYTICAL METHODS. [10 Jun 63] 6p. 4refs  
Order from SLA \$1.10 TT-64-10879

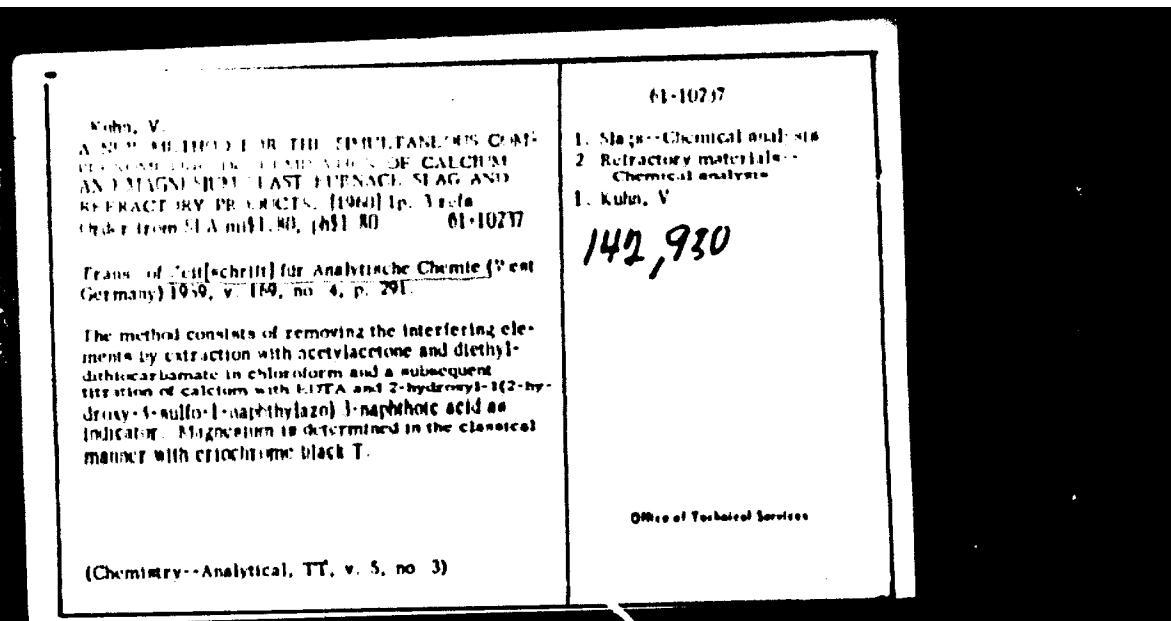
Trans. of Z[eitschrift für] Anal[ytische] Chem[ie]  
(West Germany) 1959, v. 168, no. 5, p. 335-339.

(Chemistry--Analytical, TT, v. 11, no. 12)

TT-64-10879

I. Maurice, M. J.  
II. Wiggers, B. G.

Office of Technical Services



Recent Aspects of the Analytical Application of the  
Raman Effect, by J. Brandmuller, 11 pp.

GERMAN, per, Z. fur Anal Chem, Vol CLXX, No 1, 1959,  
pp 29-43.

AT&T-40M1G

Sci

190, 280

Apr 62

Vol IV, No 6

Infrared Spectroscopic Studies of Urea and  
Thiourea Clathrate Compounds, by R. Mecke, et al.  
GERMAN, per, Zeitschrift fuer Analytische Chemie,  
Vol 170, No 1, 1959, pp 114-120.  
\*ACSI J-3163  
ID 2204035967

Sci/Chemistry  
Aug 67

<p>Kimmer, W. and Schmalz, B. O. A CONTRIBUTION TO THE INFRARED SPECTROSCOPIC ANALYSIS OF RUBBER. 15 Jul 63 [20p] 7refs Order from SLA \$1.60 63-20243</p> <p>Trans. of Zeitschrift für Analytische Chemie (West Germany) 1959, V. 170, p. 132-147.</p> <p>DESCRIPTORS: *Rubber, *Synthetic rubber, *Bisadienes, Molecular isomerism, *Infrared spectroscopy.</p> <p>In order to be independent of the use of standard substances, especially in the quantitative analysis of rubber isomers, a method was developed with which it is possible to determine quantitatively the 1,2-, 1,4-cis- and 1,4-trans- isomers in rubber without the hitherto customary use of olefins as standard substances. By this method, dilution series are prepared from three rubber samples, fictitious extinction coefficients--Rubber, TT, v. 10, no. 12) (over)</p>	<p>63-20243</p> <p>I. Kimmer, W. II. Schmalz, B. O.  KJ/KS ARJ/MA</p> <p>Office of Technical Services</p>
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Concerning the Use of Metal-Specific Indicators  
for Titrations Involving Precipitation.

GERMAN, per, Z Anal Chem, Vol CLXX, IX p 142.

Possibly to Come From Contacts  
per 10 Dec 62 memo  
USIB INTERNAL USE ONLY

Sci - Chem

Dec 62

Physico-Chemical Measurements by Means of Gas Chromatography, by E. Cremer.

GERMAN, per, Z. fuer Anal Chem, Vol CLXX, Part I,  
Jan 1959, pp 220-222; Part 4, pp 226-231.

#UKARA  
Ca/Tr No 80

Sci - Phys

5 Mar 63

Rohrschneider, L.

POLARITY OF THE STATIONARY PHASE IN GAS CHROMATOGRAPHY (Polarität Stationärer Phasen der Gaschromatographie). [7 Feb 63] (14) p. 3 refs.  
Order from SLA \$1.60

63-18286

Trans. of *Z[eitschrift für Analysische Chemie]*  
(West Germany) 1959, v. 170, p. 256-262.

DESCRIPTORS: \*Polarization, \*Gas chromatography,  
\*Phase studies, Hydrocarbons, Gases, Molecular structure.

Twenty-three different stationary phases suitable for the analysis of gaseous hydrocarbons are arranged into a series of increasing polarity. A satisfactory separation of all gaseous paraffins and olefins can be expected only for two polarities. 1,3-butyleneglycolsulfite corresponds to the one, a combination of 5 m. diethyl (Chemistry-Analytical, TT, v. 10, no. 11) (over)

63-18286

L. Rohrschneider, L.

Office of Technical Services

The Theory of Mass Spectra, by R. Taubert,  
14 pp.

GERMAN, por, Z Anal Chem, Vol CLXX, 1959,  
pp 533-540.

AM9-04M430  
ATC/1456-CJ  
193, 765

Sci  
May 62

VOL 4, No 10

Hirselvi, V. P., Kenttamaa, E. and others.  
THE DETERMINATION OF FLUORINE IN THE  
PRESENCE OF SOME INTERFERING IONS. [1962]  
(9)p. 19 refs.

Order from SLA \$1.10 62-10699

Transl. of Fortschr. [fir] Analytische Chemie  
(West Germany) 1959, v. 171, p. 354-357.

DISCUSSION: Fluoride, Nitrate, Sulfates, Chlorides,  
Phosphates, Borates, Iodides, Carbonates, Distilling  
plantes.

In conclusion, the fluorine determination using the  
modification of the Wilhard-Winter method, the amounts  
of sulfates, chlorides, or orthophosphate used in the  
experiments do not cause any errors in the determina-  
tion of milligram quantities of fluorine. The in-  
fluence of borates, iodides, and carbonates is also so  
small that they are of no significance. It is not  
(Chemistry--Analytical, TT, v. 8, no. 7) (over)

62-10699

I. Hirselvi, V. P.  
E. Kenttamaa, E.

Office of Technical Services

4

Dosage du fluor en presence de quelques ions  
genants, by V. P. Hirsjarvi, E. Kenttamaa,  
et al, 12 pp.

GERMAN to FRENCH, per, Z fuer Anal Chem.,  
Vol CLXXI, No 5, 1959, pp 354-359. 9222304

Reverse Translation  
CEA-A-619

Sci  
Jun 64

Application Limits of the Polarographic Method  
in Inorganic Analysis, by F. V. Sturm, 9 pp.  
GERMAN, per, Z Anal Chem, Vol 173, 1960, pp 11-17.  
AEC/ORNL-Tr-2176-69

Sci/Chem  
Apr 70

405,653

Tast Polarography, by Adolf-Werner Eibel.  
GERMAN, per, Z. Anal. Chem., No 173, 1960,  
pp 70-73. 9233238  
AEC ORNL-tr-1271

Sci/Chemistry  
Aug 66

306,291

Vielstich, W.  
THEORY AND APPLICATION OF THE ROTATING  
DISK ELECTRODE. [1960] 7 p. 19 refs.  
Order from SLA m\$1.00, ph\$1.00 60-18115

Trans. of Zeitschrift für Analytische Chemie (West  
Germany) 1960, v. 173, no. 1, p. 84-87.

143,054

60-18115

1. Electrodes--Design
2. Chemical reactions--  
Analysis
3. Vielstich, W.

(Chemistry--Analytical, TT, v. 5, no. 3)

Office of Technical Services

The Back Pressure of Mercury Drops as a Source  
of Error in Polarographic Analyses, by  
M. von Stackelberg.  
GERMAN, per, Z. Anal. Chem. Vol 173, 1960,  
pp 90-93. 9233242  
AEC ORNL-tr-1274

Sci/Xchemistry  
Aug 66

306,288  
306,283-

<p>Klub, Ivan; Dolezel, Jan, and Zyma, Jaroslav. RAPID REDUCTOMETRIC DETERMINATION OF MANGANESE IN ALLOYS AND MINERALS. Jan 62 (7). 10 refs. Order from SLA \$1.10</p> <p>Trans. of Z[eitschrift f[ur] Analytische Chemie] (West Germany) 1960, v. 177, p. 14-20.</p> <p>DESCRIPTORS: *Manganese, Determination, *Alloys, *Minerals, Reduction (Chemistry).</p> <p>A new volumetric method for the determination of manganese is developed, which is based on the oxidation of the manganese with potassium bromate in the presence of concentrated phosphoric acid and on the reductometric titration of the resulting trivalent manganese with iron (II) solution or hydroquinone solution as standard liquid. The titration can be carried out potentiometrically. (Chemistry--Analytical, TT, v. 9, no. 9) (over)</p>	<p>62-20025</p> <p>I. Klub, I. II. Dolezel, J. III. Zyma, J.</p> <p>Office of Technical Services</p>
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Photometric Determination of Traces of Carbon  
Monoxide in Hydrogen, by G. Ciuhandu,  
G. Krall.

GERMAN, per, Z für Analytische Chemie,  
Vol CLXXXII, No 2, 1960, pp 81-87.

CSIRO

191,432

Sci - Chem  
Apr 62

(SP-1307)

Hydrolysis and Analytical Control of Nitric Acid  
Esters ("Nitro-Bodies"), by E. Schnleß, K. Burger,  
M. Fehér, 6 pp.

GERMAN; per, Z fur Analytische Chemie, Vol CLXVII,  
No 2, Oct 1960, pp 81-86.

JMAS 4320

Sci - Chem

138, 804

Feb 61

Detection of the Active Ingredients of Plant  
Protection Substances in Mixtures With The  
Help of Infrared Spectrography, by Fischer,  
Uhlich.

GERMAN, per, Z. fur Analytische Chemie, Vol  
CLXXII, No 1403, 1960, pp 175-192.

~~888~~  
GB/39

Sci  
Dec 62

Determination of Strontium-90 in Water Samples  
by Ion-Exchange Processes, by H. Knapstein, 15 pp.

OMINAN, per, Z fuer Analytische Chemie, Vol CLXXV,  
No 4, 1960, pp 255-265. 9003265

AKER, Harwell Tr-831

Sci - Chem  
Apr 62

190, 317

Wider Use of Flame Photometry, by K. Konopka  
W. Schmidt.

GERMAN, per, Z fuer Analytische Chemie,  
Vol CLXXXIII, No 5, 1960, pp 358-359.

ACSIL 1416

Sci - Chem

Jun 61

156, 919

Meyer, W.  
POLYESTERS AS STATIONARY PHASES IN GAS  
CHROMATOGRAPHY. (1961) 5p. (7 figs., enclosed)  
9 refs.  
Order from SLA and \$1.00, plus \$1.00 61-10811

Trans. of Zentralblatt für Analytische Chemie  
(West Germany) 1960, v. 173 [no. 8] p. 330-335.

151868

61-10811

1. Gases--Chromatographic analysis
2. Esters--Applications
3. Fats--Chromatographic analysis
4. Meyer, W.

Office of Technical Services

(Chemistry--Analytical, TT, v. 5, no. 9)

Absorption of Uranium from Alcohohic Hydrochloric Acid Solution on Strongly Basic Anion Exchange Resin Dowex-1, by J. Korkisch, P. Antal, et al.

GERMAN, per, Z. Anal. Chem., Vol CLXXXII, 1960,  
pp 401-408. 9004974

ABC-GAT-Z-2~5036

Sci. - Chem

Apr 63

226,816

CEA-tr-A-954 Unc1.

DETERMINATION DE MICROQUANTITES DE THORIUM DANS  
LES ROCHES SILICATEES, LES SEDIMENTS, ET AUTRES  
SUBSTANCES APRES ENRICHISSEMENT PREALABLE DU  
THORIUM PAR ECHANGE D'IONS. (Determination of  
Microquantities of Thorium in Rock Silicates,  
Sediments, and Other Substances after Previous  
Enrichment of Thorium by Ion Exchange).

J. Korkisch and P. Antal. Translated into  
French from Z. anal. Chem., 173: 126-38(1960).  
39p.

Analytical; Chemistry; Translations MC-4

C-4 NP NSA Dep. [c] ; \$3.60(fs) ; \$1.57(mf)  
N-4 JCL

CEA-tr-A-1291 Uncl.

SÉPARATION ÉLECTROLYTIQUE ET ÉLECTROCHIMIQUE  
DU RADIUM D, RADIUM E ET DU POLONIUM A PARTIR  
D'UNE SOLUTION D'ÉTHYLÉNEDIAMINE TRÉTAACÉTATE.  
(Electrolytic Separation and Electrochemistry  
of Radium D, Radium E, and Polonium Starting  
with a Solution of Ethylenediamine Tetraacetate).  
Vlastimil Vebersik. Translated into French  
from Z. Anal. Chem., 175: 405-15(1960).  
26p. 7203330

Chemistry; Translations MC-4

C-4 NP NSA Dep.(mc); \$2.60(fs), \$0.98(mf)  
N-5 JCL

The Determination of the Nitrogen Isotope  
Abundance in Ammonium Nitrogen, by  
R. Huser, et al.

GERMAN, per, Z. fuer Analytische Chemie,  
Vol CLXXVI, No 6, 1960, pp 429-436.

CSIRO 5581

Sci  
Dec 02

2

Determination of Nickel and Manganese With  
Formaldoxine, by A. Okac, M. Bartusek, 7 pp.  
GERMAN, per, Z für Analytische Chemie, Vol CLXXVIII,  
(?)1960, pp 198-201.  
K-H 10895 a.

Sci-Chem  
March 64

252,062

<p>Hunold, G. A. and Schülein, B. THE PYRIDINE ALKALI REACTION AS BASIS FOR THE DETERMINATION OF CHLORINATED ALIPHATIC HYDROCARBONS, [1963] 13p. (figs. omitted) 20 refs. Order from SLA \$1.60 63-14092</p> <p>Trans. of Z[eitschrift für] Anal[ytische] Chem[ie] (West Germany) 1961, v. 179, no. 2, p. 81-91.</p> <p>DESCRIPTORS: *Hydrocarbons, *Aliphatic compounds, *Chlorides, *Pyridines, Hydroxides, Chemical reactions, Quantitative analysis.</p> <p>The pyridine-alkali reaction which has become known as the "Fujiwara reaction" for the qualitative detection of chloroform, was tested as to its use in the determina- tion of other chlorinated aliphatic hydrocarbons. Pro- cedures are given for the quantitative determination of carbon tetrachloride, ethane tetrachloride, chloroform ethylene tetrachloride, ethylene trichloride, ethane dichloride and ethylene chlorhydrine in indoor air. (Author)</p>	<p>63-14092</p> <p>I. Hunold, G. A. II. Schülein, B. 63-14092</p> <p>(Chemistry--Analytical, TT, v. 10, no. 5) Office of Technical Services</p>
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Photometric Determination of Antimony With  
Methylfluorone, by S. Mayer, O. G. Koch, 7 pp.

GERMAN, per, Zeit Anal Chem, Vol LX CLXIX, 1961  
pp 175-186. (9202882)

A.C.S.I.L. Tr 1462

Sci - Chem  
Apr 63

Quantum Spectrochemical Detection of Major Elements  
in Flue Dust and Iron Ores in the Direct Current  
Carbon Arc, by H. Nickel, A. Pflugmacher.  
GERMAN, per, Z fuer Analytische Chemie, Vol CLXXX,  
No 6, 1961, pp 401-415.  
CEGB 2995

Sci - M/M  
Apr 64

255,144

CEA-tr-A-1032 Unc1.

L'ANALYSE SPECTRALE PAR FLUORESCENCE AUX  
RAYONS X D'ÉCHANTILLONS GÉOCHIMIQUES POUR  
DES ÉLÉMÉNTS DE NOMBRES ATOMIQUES COMPRIS  
ENTRE 25 ET 40. (X-Ray Fluorescence Spectral  
Analysis of Geochemical Samples of Elements  
of Atomic Number 25 to 40). K. H. Wedepohl.  
Translated into French from Z. Anal. Chem.,  
180; 246-59(1961). 36p. 9069063.

Analytical; Chemistry; Translations MC-4

C-4 NP NSA Dep.(mc); \$3.00(fs), \$1.28(mf)  
N-3 JCL

Fundamentals of the Conductometric Determination  
of Carbon, by W. Schmidt, W. Bartscher.

GERMAN, per, Z fuer Analytische Chemie,  
Vol CLXXXI, 1961, pp 54-59.

RIBI 2907

Sci - Chem  
Apr 63

229,324

Principe du Dosage de Carbone par Conductometrie,  
by W. Schmidts, 9 pp.

GERMAN to FRENCH, per, A 2 Anal Chem, Vol CLXXXI,  
1941, pp 54-59 9203253

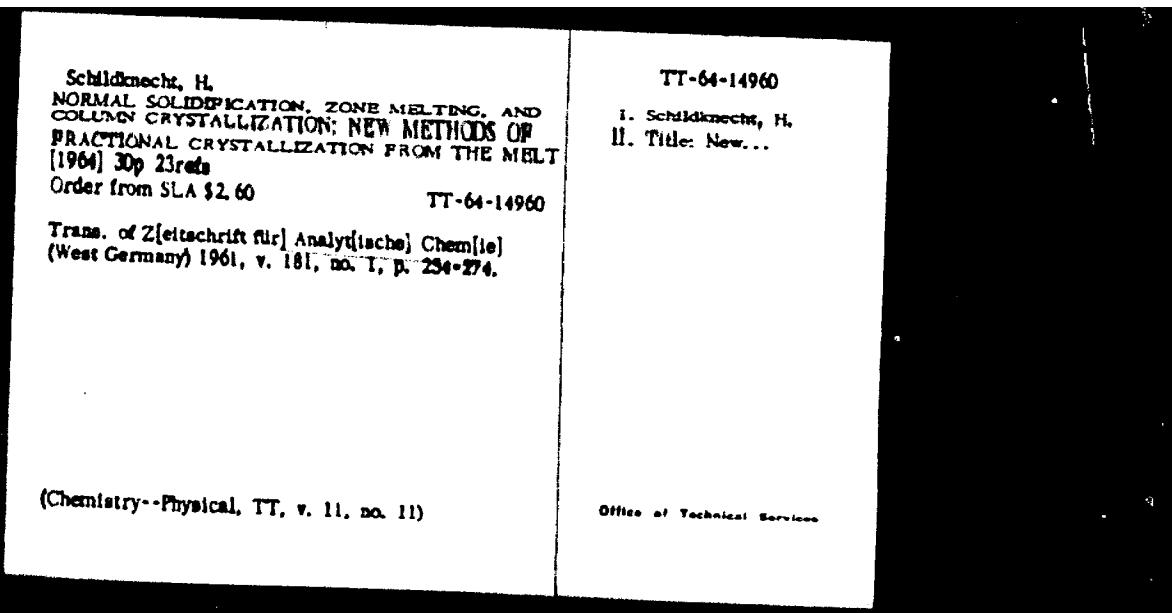
Reverse Translation  
CEA No A 1244

Sci

Mar 23

<p>Götz, A. A RAPID METHOD FOR DETERMINING OXYGEN IN ORGANIC SUBSTANCES. (1961) 6p. 10 refs. Order from RIS \$12.00 RIS S-2121</p> <p>Trans. of Zeitschrift für Analytische Chemie (West Germany) 1960, v. 181, 5 July, p. 92-100.</p> <p>DESCRIPTORS: *Organic compounds, *Oxygen, Determination.</p> <p>(Chemistry--Analytical, TT, v. 7, no. 5)</p>	<p>62-12440</p> <p>I. Götz, A. II. RIS S-2121 III. Research Information Service, New York</p> <p>Office of Technical Services</p>	
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<p>Simon, H. and Müllhofer, G. A MANOMETRIC PROCESS FOR C-H ANALYSIS WITH WEIGHED SPECIMENS OF 0.3 MG AND LESS. [1962] 8p. (figs. refs. omitted). Order from SLA \$1.10</p> <p>Trans. of <u>Zeitschrift für Analytische Chemie</u> (West Germany) 1961, v. 181, p. 85-91.</p> <p>DESCRIPTORS: Laboratory equipment, *Manometers, Design, Calibration, *Carbon, *Hydrogen, Succinic acids, *Chemical analysis.</p> <p>(Chemistry--Analytical, TT, v. 9, no. 4)</p>	<p>62-16302</p> <p>I. Simon, H. II. Müllhofer, G.</p> <p>62-16302</p> <p>Office of Technical Services</p>
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Chromatographic Procedures in Organic Chemistry,  
by Gerhard Henze, 12 pp.  
GERMAN, per, Z fuer Analytische Chemie, Vol CLXXXI,  
1961, pp 274-283. 9224353  
AEC-SC-T-64-618

Sci-eChem  
Aug 64

265,158

Thin-Layer Chromatography, by Edgar Stahl, 15 pp.  
GERMAN, pp., Z. Der Analytischen Chemie, Vol CLXXXI,  
1961, pp 303-312, Iss. 2, 4664  
AEC-NSC-T-64-614

Sci-Chem  
Aug 64

263,117

Dosage Indirect du Calcium par Derivatographie  
du Strontium et du Baryum dans une Prise D'Essai,  
by L. Erdey, F. Paulik, et al.

GERMAN to FRENCH, per, Zeit Anal Chem, Vol CLOXXIII,  
No 5, 1961, pp 329-335. 9207196.

Reverse Translation  
CEA No A -1301

Sci  
May 63

Gas Chromatography of Ethylenedia-Minopiperazine Mixtures,  
by A. Castiglioni.  
GERMAN, per, Z fuer Analytische Chemie, Vol CLXXXII,  
No 6, 1961, pp 428-429.

GB/114/anon/1062

Sci - Chem

Feb 64

250,498

Exact End-Point Determination in Potentiometry, by K. EIM Lauer, Y. Le. Duigou.

GERMAN, part 2 fuer Analytische Chemie,  
Vol LXXXIV, No 1, 1961, pp 4-11.

CSIRO/No 5960

Sci-Chem 225, 365  
Mar 63

Luther, H. and Ober, H. H.  
GROUP ANALYSIS OF SATURATED HYDROCARBONS  
BY MOLECULAR SPECTROSCOPY. [1962] 10p.  
Order from ATS \$12.50                   ATS-48P61C

Trans. of Z[eitschrift für] Analytische Chemie  
(West Germany) 1961, v. 183, p. 161-172

DESCRIPTORS: \*Hydrocarbons, Analysis, \*Molecular  
spectroscopy, Spectrographic analysis

(Chemistry--Analytical, TT, v. 8, no. 6)

63-22146

- I. Luther, H.
- II. Ober, H. H.
- III. ATS-48P61C
- IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Photometric Determination of Antimony With  
Methylfluorone, by S. Meyer, O. G. Koch, 7 pp.  
GERMAN, per, Zeit Anal Chem, Vol LX CLXXXIX, 1961,  
pp 175-186. (9202882)

A.C.S.I.L. Tr 1462

Sci - Chem  
Apr 63

226, 530

Etudes par Photometrie de Flamme de la Variation de  
l'Emission de Quelques Elements, en Fonction de  
l'Addition d'un Solvant Organique, by K. H. Neeb,  
12 pp.

GERMAN to FRENCH, per, Z. fuer Analytische Chemie,  
XLIXXXXXX Vol CLXXXIV, No 6, 1961, pp 414-424.  
9091227

REVERSE TRANS  
CEA Tr A-1116

Sci  
18 Sep 62

Sassenberg, Werner and Wrabetz, Karl.  
DI-(3,3,5-TRIETHYLCYCLOHEXYL)-ORTHO-  
PHthalate AS THE STATIONARY PHASE FOR THE  
GAS CHROMATOGRAPHY OF PHENOL DERIVATIVES.  
(1964) 6p (figs refs omitted)  
Order from SLA \$1.10

TT-63-20937

Trans. of Z[eitschrift für] Analytische Chemie  
(West Germany) 1961, v. 184, p. 423-427.

(Chemistry--Organic, TT, v. 12, no. 2)

TT-63-20937

I. Sassenberg, W.  
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Office of Technical Services

Determination of the Composition of a Classic  
Peptide Chain, by Gerhard Brainitzer, 9 pp.

GERMAN, per, Z fuer Analytische Chemie, Vol  
CLXXXI, 1961, pp 514-526.

MRH 12-30-62

Sci - Chem

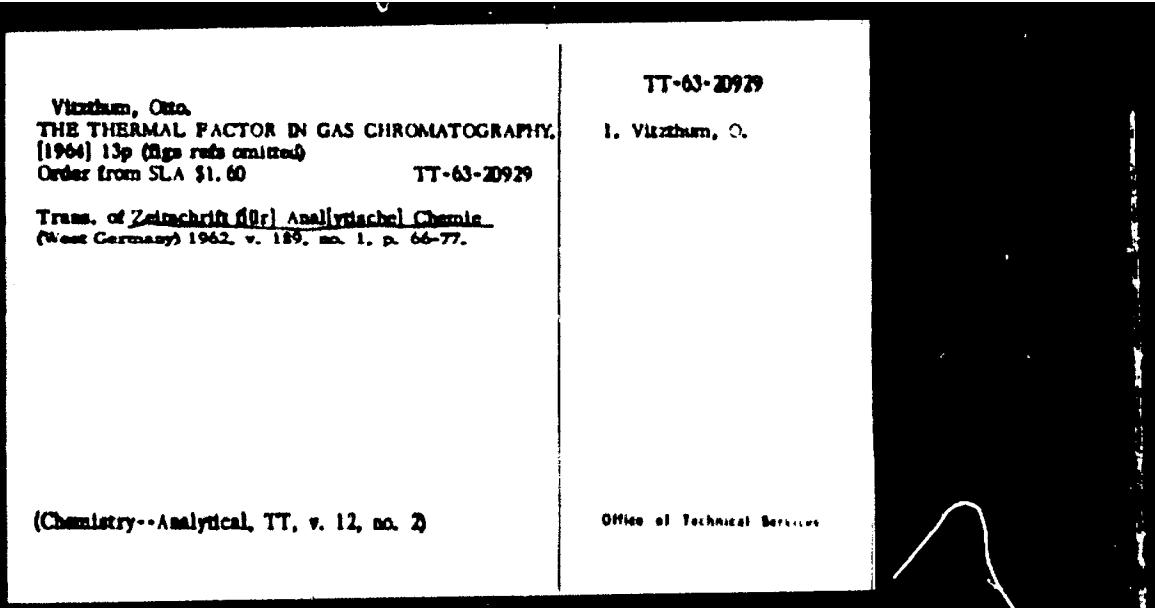
2/21/63

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<p>Weibel, Max. THE DETERMINATION OF ALUMINUM IN THE CHEMICAL ANALYSIS OF SILICATE. [1963] 9p Order from K-H \$9.00 K-H 11933</p> <p>Trans. of Zeitschrift [für] Analytische Chemie (West Germany) [1962] v. 184, p. 322-327.</p> <p>DESCRIPTORS: *Silicates, Chemical analysis, *Aluminum.</p> <p>(Chemistry--Analytical, TT, v. 10, no. 10)</p>	<p>63-22317</p> <p>I. Weibel, M. II. K-H-11933 III. Kreage-Hooker Science Library Associates, Detroit, Mich.</p> <p>Office of Technical Services</p>
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Research Into Substituted Dithiophosphate.  
Part 1. Diethyldithiophosphoric Acid and  
its Sodium Salt, by H. Bode.  
GERMAN, per, Zeitschrift fuer Analytische  
Chemie, Vol 185, 1962, pp 99-110.  
NTC 72-10171-07B

Apr 72



Potentiometric Method for the Determination of  
Small Boron Contents in Steels, by H.-J. Grabner.

GERMAN, per, Zeitschrift fur Analytische Chemie,  
Vol CLXXXIV, No 5, 1962, pp 327-341.

BUBA 3461

Bei - Electron  
Aug 63

942,168

<p>Bode, Helmut and Arnawald, Wolfgang, DIETHYL-ETHIOPHOSPHORIC ACID AND ITS SODIUM SALT. Jan 64, 3500words Order from LSA \$35.55  Trans. of <u>Zeitschrift fur Analytische Chemie</u> (West Germany) 1962, v. 185, no. 2, p. 99-110.  DESCRIPTORS: *Sodium compounds, Salts, *Phosphoric acid, *Ethyl radicals, *Thio radicals.</p> <p>(Chemistry-Analytical, TT, v. 11, no. 11)</p>	<p>TT-64-12340 I. Bode, H. II. Arnawald, W. III. Literature Service Associates, Bound Brook, N. J.</p> <p>Office of Technical Services</p>	
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Investigations of Substituted Diethiophosphates, Report No. II, Formation of Metal-Diethyldithiophosphates and Their Extractability From Mineral-Acid Solutions, by Helmut Bode, Wolfgang Arnewald, 57 pp.

GERMAN, per, Z. Analytische Chemie,  
Vol CLXXXV, 1962, pp 179-201. 9066990

AEC Tr-5202

Sci - Chem  
Oct 62

~~251-540~~  
251-540

A New Tast Polarograph, by K. Kronenberger,  
W. Nickels.

GERMAN, per, Zeit. Anal. Chem., Vol 186, 1962,  
pp 79-86. P911020566  
AEC ORNL-tr-1269

Sci/Chemistry  
Sep 66

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Sturm, F. V. and Ressel, M.  
INFLUENCE OF EXPERIMENTAL CONDITIONS DURING  
ANALYTICAL DETERMINATIONS BY MEANS OF  
SQUARE WAVE POLAROGRAPHY AFTER ELECTROLY-  
YSIS ON A STATIONARY ELECTRODE. [1963] 23p.  
31 refs.  
Order from SLA \$2.60

63-18150

Trans. of *Z. für Analytische Chemie*  
(West Germany) 1962, v. 196, no. 1, p. 61-70.

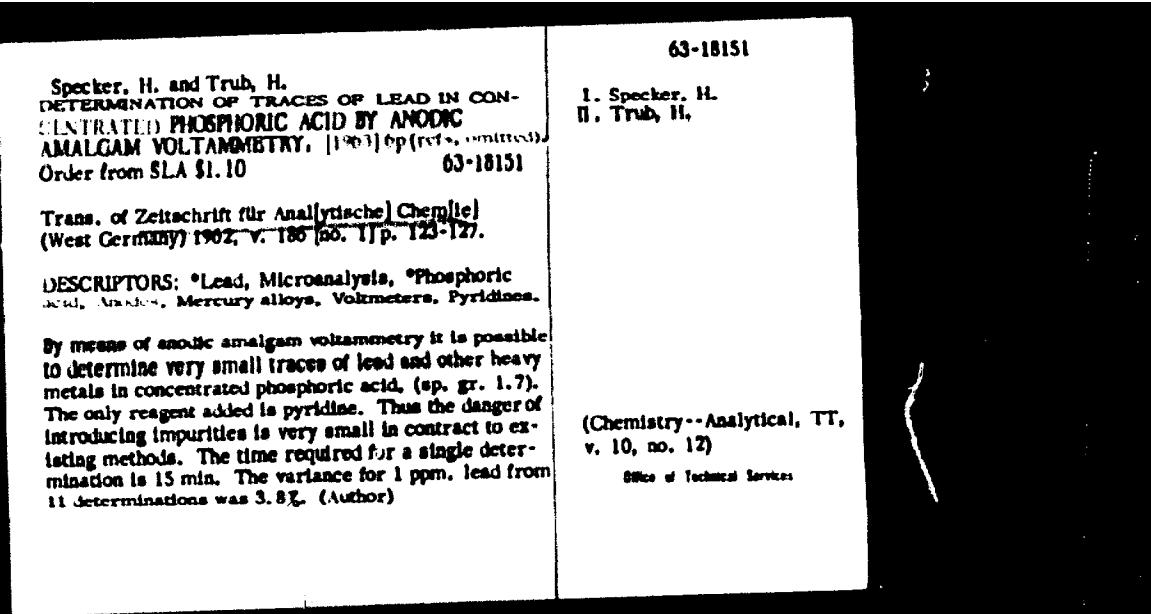
DESCRIPTORS: \*Polarographic analysis, \*Electrolysis,  
Electrodes, Mercury, \*Electrochemistry.

A combination of square-wave polarography with the  
anodic stripping technique is described. Concentration  
of the metals is carried out by pre-electrolysis at a  
stationary mercury-drop electrode in a stirred solution.  
(Chemistry-Analytical, TT, v. 10, no. 12) (over)

63-18150

I. Sturm, F. V.  
II. Ressel, M.

Office of Technical Services



63-18166

Kraft, G.  
METHODS OF ELECTRIC INDICATION FOR COMPLEXOMETRIC TITRATIONS [Möglichkeiten für die Elektrische Indikation Komplexometrischer Titrationen].  
[1963] 8p. 14 refs.  
Order from SLA \$1.10

63-18166

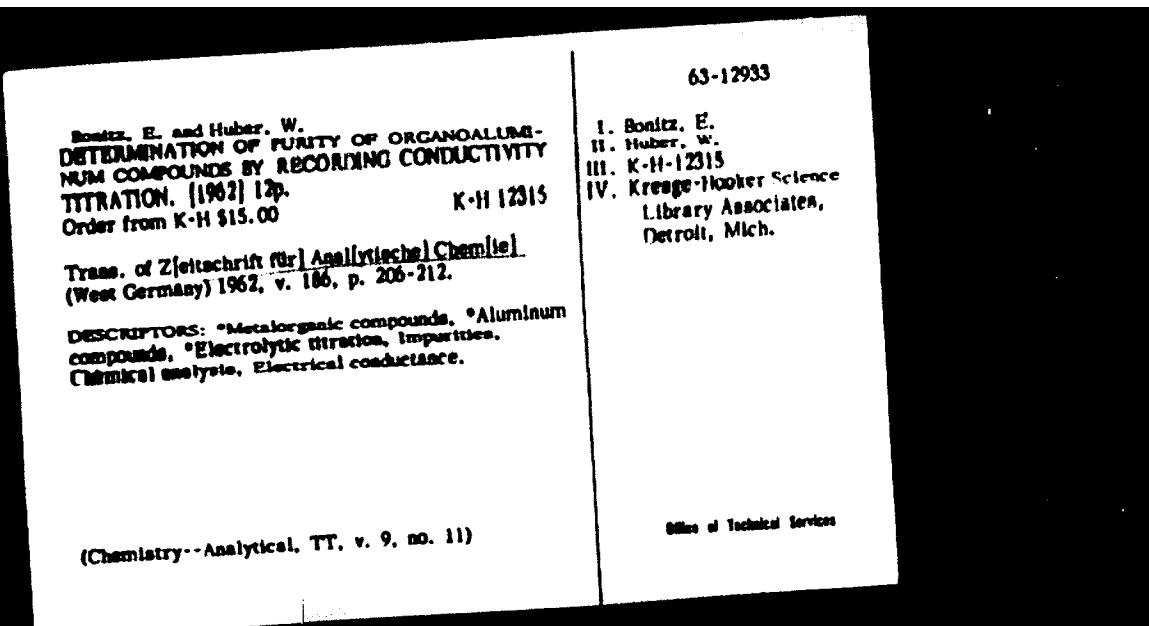
Trans. of Zeitschrift für Anal[ytische] Chemie (West Germany) 1962, v. 106 [no. 1] p. 187-193.

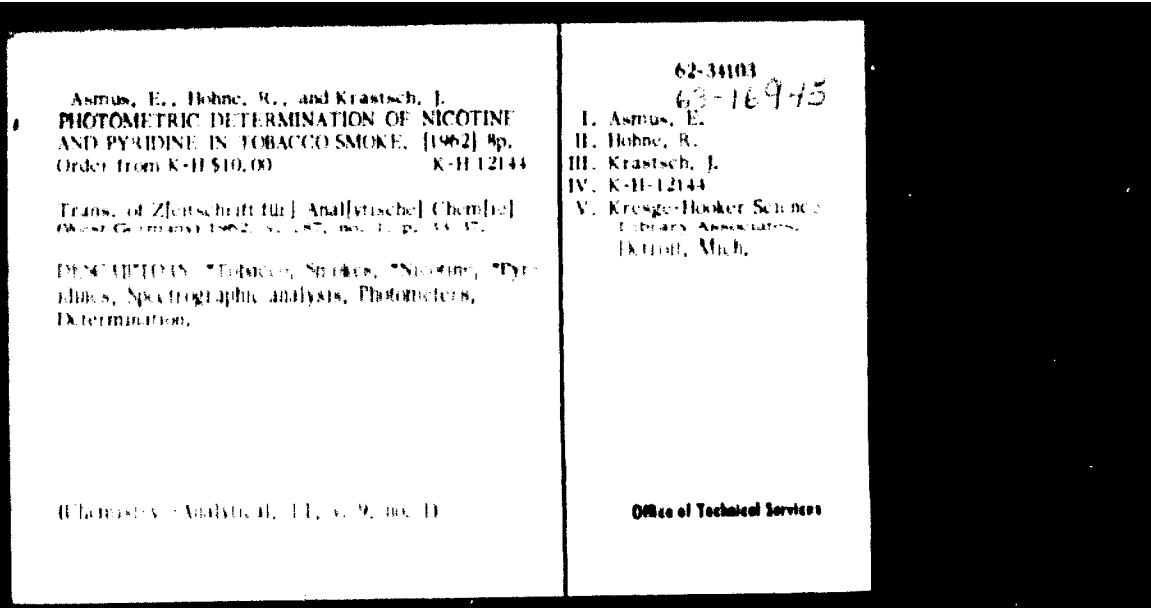
DESCRIPTORS: \*Electrochemistry, \*Titration, \*Sequestering agents, Complex compounds, Metal-organic compounds, Voltmeters, Potentiometers, Electrical conductance.

The paper shows the possibilities for electrical indication of complexometric titrations, discussing in detail the potentiometry, amperometry, voltammetry as well as the conductometry. It furthermore deals with a new indication system by means of a polarized oxide electrode. (Chemistry--Analytical), TT, v. 10, no. 12) (over)

I. Kraft, G.

Office of Technical Services





Experiences With a New Rapid Method of Micro C-H  
Determination, by W. Pfab, 13 pp.

GERMAN, per, Z fuer Analytische Chemie, Vol CLXXXVII,  
No 5, 1962, pp 354-351. 9669182

DDC R&DC-83

801 - Physics  
Nov 63

R43, 478

Budensky, B.

SPECTROPHOTOMETRIC STUDY OF THE REACTION  
OF URANIUM(IV) AND IRON(II) WITH XYLEMOL-  
ORANGE: RAPID DETERMINATION OF TRACES OF  
IRON IN URANIUM. [1962] 7p. (Eng. unclassified) 7 refs.  
Order from SLA \$1.10

62-20439

62-20439

- I. Title: Xylenolorange
- I. Budensky, B.
- II. Title: Rapid...

Trans. of Z[eitschrift] für Anal[ytische] Chemie[ie]  
(West Germany) 1962, v. 182, no. 4, p. 269-272.

DESCRIPTORS: \*Uranium, \*Iron, Chemical reactions,  
Spectrographic analysis, \*Thiols, \*Methyl radicals,  
\*Tracer studies, Chemical analysis, Spectrophotome-  
ters, \*Dyes.

The formation conditions of the complex of  $UO_4^{4-}$  and  
 $Fe^{2+}$  with xylenolorange were found, the composition  
of the resulting complex determined, and the stability  
constant calculated. On the basis of the observed re-  
(Chemistry--Analytical, TT, v. 10, no. 3) (over)

Office of Technical Services

Determination of Ziegler Activity of Organic  
Aluminum Compounds by Physical Measurements.  
II. Calorimetric Titration, by Z. O. Hoffmann,  
W. Tornau, 16 pp.

GERMAN, per, Zeitschrift fuer Analytische Chemie,  
Vol CLXXXVIII, No 5, 1962, pp 561-564.

SIA 63-10018

Sci

Jul 63

258,084

<p>Kiss, Sandor A. TITRATION OF SULPHIDE, POLYSULPHIDE AND THIOSULFATE WITH "DEAD STOP" INDICATION (Titration von Sulfid, Polysulfid und Thiosulfat mit "Dead Stop-Indikation). [1963] (foreign text included) 8 refs. Order from SLA \$1.10</p> <p>Trans. of <u>Z[eitschrift für Analytische Chemie]</u> (West Germany) 1962, v. 188, p. 341-344.</p> <p>DESCRIPTORS: *Sulfides, Polymers *Thiosulfates, Volumetric analysis, Reagents Ammonia, Silver compounds, Nitrates, Mercury compounds, Chlorides, Boric acid.</p> <p>A method has been developed for the volumetric determination of sulphide, polysulphide, and thiosulphate using dead stop end point indication. Sulphide is titrated by ammoniacal silver nitrate solution, (Chemistry--Analytical, TT, v. 10, no. 6) (over)</p>	<p>63-14082</p> <p>1. Title: Dead-stop titration 1. Kiss, S. A.</p> <p>Office of Technical Services</p>
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Recent Developments in Gas-Chromatographic  
Detectors, by G. Schenck.

GERMANY, ~~per~~, Z. für Analytische Chemie,  
Vol. ~~2000~~, No 1, 1962, pp 14-50.

C1XXXIX,

ANNE, Marwell

Tr-1689

AERE-Tr-937 (9212623)

211,047

EGIRA no. 565

Sci - Chem  
Sep 62

Gas-Chromatography Analysis of Inorganic Gases,  
by H. Renge, 15/4

GERMAN, per, Z. fuer Analytische Chemie,  
Vol CLXXXIX, No 1, 1962, pp 111-124.

AIKE Nov. 1962 - 930

ANNE, Marwell

Tr-1699

JL 0102-18114 - 161-16476

Sci - Chem  
Sep 62

311, 046  
(GU/124/563)

Gnauck, G.  
GAS CHROMATOGRAPHIC ANALYSIS OF PERMANENT GASES WITH IONISATION DETECTORS.  
(1963). BGIRA/Tr/63/18; no. 551.  
Order from BGIRA

BGIRA-551

Trans. of Z[eitschrift für] Analytische Chemie  
(West Germany) 1962, v. 189, no. 1, p. 124-130.

DESCRIPTORS: \*Gas chromatography, \*Gas analysis,  
\*Chromatographic analysis, Ionization, Detection,  
Gases.

(Chemistry--Analytical, TT, v. 10, no. 3)

63-17443

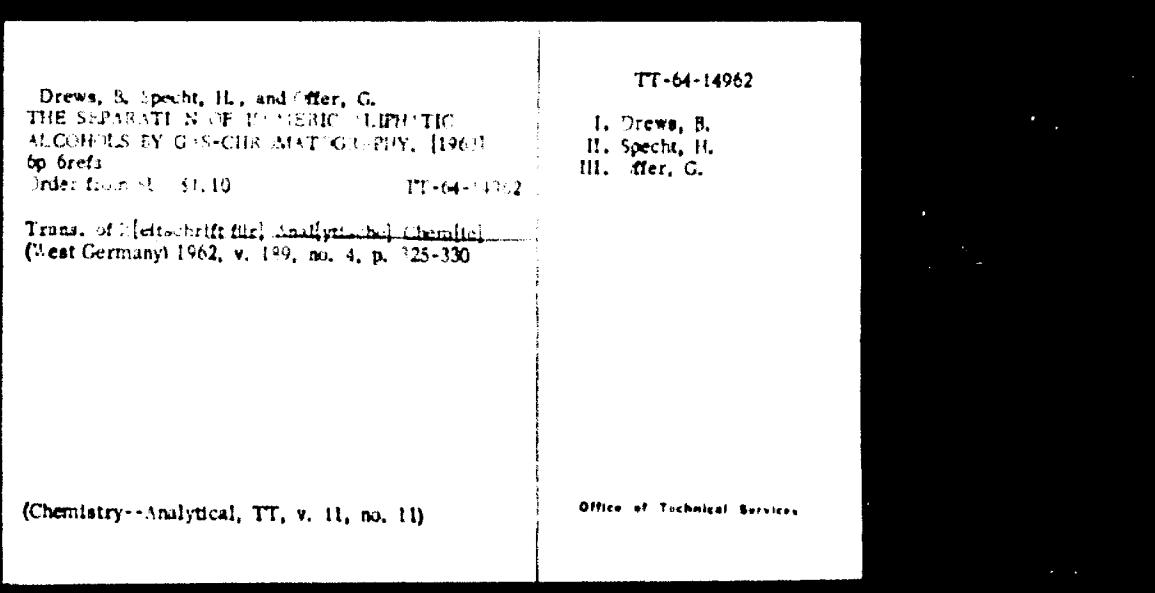
- I. Gnauck, G.
- II. BGIRA/Tr/63/18
- III. BGIRA-551
- IV. British Glass Industry Research Association

Office of Technical Services

Application of Physical Research Methods for Analysis  
of Volatile Small and Tastes Substances in Food, by  
W. Diemair, F. Schams.  
JOURNAL GERMAN, per, Z fur Analytische Chemie,  
Vol CLXXXIX, No 2, 1962, pp 149-175.  
CSIRO/Nd 6424

Sci - Chem  
Apr 64

254,603



Determination of Nitrogen in Steel, by W. Koch,  
K. H. Sauer.  
GERMAN, per, Z. Anal. Chem., Vol 190, No 1,  
1962, pp 81-91.  
BIBI 5002

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Sci - Materials  
Feb 67